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This signature attests that the packets in question have been subjected to the ... The corresponding interface 28 of the concentrating router 12 comprises a ...

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Device and method for processing a sequence of information packets ...

... with a signature based on a secret shared with a concentrating router of a telecommunication network, authenticating that the packet has been subjected ...

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The corresponding interface 28 of the concentrating router 12 comprises a ... This results in considerable complexity of the concentrating router when it is ...

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Cisco 7300 Series Routers. Cisco VPN Security Router Bundles Examples include the e-signature law, which makes online contracts with electronic ...

www.cisco.com/.../collateral/routers/ps221/

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Router Security. Cisco VPN Security Router Bundles Examples include the e-signature law, which makes online contracts with electronic signatures as ...

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Tor: The Second-Generation Onion Router

Concentrating the traffic to this single point increases the anonymity set (the which has a signature in the second step) because a single cell is too ...

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[PDF] IMPLEMENTING ADDRESS ASSURANCE IN THE INTEL IXP ROUTER

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concentrating on the details most pertinent to the IXP implementation. A digital signature on a packet can prove the authenticity of its purported ...

www.cs.princeton.edu/~mburns/papers/isaveixp2002.pdf - [Similar pages](#)

Nabble - Exim Users - Routing outbound email by senders address ...

Can someone assist in advising how you would use the manualroute router within the Exim config ... shouldn't post so quickly when I'm not concentrating. :-/ ...

www.nabble.com/Routing-outbound-email-by-senders-address--Part-II-ld14916380.html -

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Routers link to the host: Internet Control Message Protocol

A special signature called 'type of message' is included in these packets ... A host/router sends the echo request to a destination and the target machine ...

www.enterprise-networks-and-servers.com/monthly/art.php?2159 - 18k -
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RSVP-SQOS : a secure RSVP protocol - Multimedia and Expo, 2001 ...
of the RSVP-SQoS, concentrating on flexibility and scalability of the protocol. ... Throughout
the protocol, it is assumed that whenever a router ...
ieeexplore.ieee.org/iel5/8766/27769/01237786.pdf?
isnumber=27769&prod=CNF&arnumber=1237786&arS... - Similar pages

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Compact and flexible resolution of CBT multicast key-distribution

and unicasts it to the next-hop router B on the path to the core C. Next, B verifies. A% signature. If successful, B relays the request to the core C by ...

www.springerlink.com/index/e246667721184746.pdf - Similar pages

Mark Minasi's Reader Forum

I'm concentrating on this for the time being. I'll deal with configuring RADIUS authentication on VPN device and wireless router later. My questions: 1. ...

[www.x220.minasi.com/forum/post.asp?method=TopicQuote&TOPIC_ID=26074&FORUM_ID=8-34k](http://x220.minasi.com/forum/post.asp?method=TopicQuote&TOPIC_ID=26074&FORUM_ID=8-34k) - Cached - Similar pages

Wireless Router, Wireless Network, Unexpected Consequences ...

The one thing to avoid is concentrating so much on getting traffic that you I set up his ADSL Netopia router many years ago and it had served the two ...

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[PDF] Applicant Information & Signature Form

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concentrating on health and medical issues from the Departments of Molecular, Cell and connections, router hubs, utility shutdowns and relocations, ...

www.crm.ca.gov/RFA/pdfl/fa_07-03/FA1-00617-1.pdf - Similar pages

[PDF] Tor: The Second-Generation Onion Router

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www.lix.polytechnique.fr/~tomc/P2P/Papers/Systems/Tor.pdf - Similar pages

Tim Stanley's Build Your Own Electric Guitar FAQ Response ...

You may be able to cut some of the rebate in this area with the router, but you will need ...

miker@primeret.com <This signature intentionally left blank> ...

www.harmony-central.com/Guitar/Faqs/faq/faq_buildGuitar.txt - 18k - Cached - Similar pages

KYOCERA CORP - KYO Report of Foreign Issuer (6-K) SIGNATURE

Kyocera is concentrating its efforts on the telecommunications and products include flip-chip packages for ASICs used in server and router equipment; ...

sec.edgar-online.com/2005/07/08/0001193125-05-139190/Section2.asp - 116k -

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Top Connection Issues, Possible Router Problem - Official eMule-Board

Utorrent is much more aggressive with the simultaneous connection attempts that can overload your router. Concentrating on just running Emule: ...

forum.emule-project.net/index.php?showtopic=120347 - 62k - Cached - Similar pages

TheMSSForum.com >> Messenger >> Audio can't work behind UPnP ...

Tag: Audio can't work behind UPnP router Tag: 65546. 2. valid digital signature hi can anyone help please... i am trying to download msn but an error ...

www.themssforum.com/Messenger/Audio-cant/ - 47k - Cached - Similar pages

[PDF] [A policy-based approach to firewall management](#)

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DMTF (Distributed Management Task Force) is concentrating efforts in the The results for the Cisco router ACLs are presented in Figure 11. The ...
eden.dei.uc.pt/~edmundof/Conf%20Internacionais/Ci38%202002%20NetCon%20Caldeira.pdf
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Device and method for processing a sequence of information packets ...

A method according to claim 4, wherein, after having been subjected to various elementary processing operations, each packet is delivered with a signature ...

www.patentstorm.us/patents/6925567-claims.html - 33k - Cached - Similar pages

Force10 Networks, P-Series, Security Appliances Router, Ethernet ...

Line-rate 10 Gbps deep packet inspection with support for jumbo frames ... the P-Series is inherently 100% predictable in how operations are performed and ...

www.force10networks.com/products/pseries.asp - 23k - Cached - Similar pages

Cisco Router and Security Device Manager (SDM), Version 2.2 User ...

Dynamic signature update, quick deployment of default signatures, ability to customize signatures, validation of router resources before signature ...

ciscosystems.com/univers/doc/csd/doc/product/software/sdm/usergd/sdm7k2_2.htm - 81k - Cached - Similar pages

FIPS 140-2 Nonproprietary Security Policy for Cisco 7206VXR NPE ...

These LEDs remain off during normal operation of the router. Packet magazine is the Cisco Systems technical user magazine for maximizing Internet and ...

www.cisco.com/en/US/docs/security/vpn_modules/fips/7206vxr_vam/fips_vam.html - 92k - Cached - Similar pages

Scalable packet digesting schemes for IP traceback ...

packet signature. This kind of attack is difficult to achieve if the attacker has no control of any agent along the legitimate paths from s to some router ...

ieeexplore.ieee.org/iel5/3179/29119/01312653.pdf?arnumber=1312653 - Similar pages

AusCERT - ESB-2000.388 -- Cisco Security Advisory -- Multiple ...

It is necessary to power cycle the router to resume operation. ... a large (at least 65500 bytes in size) ICMP ECHO (PING) packet to the router itself, ...

www.auscert.org.au/render.html?it=1034 - 32k - Cached - Similar pages

Project-PLANÈTE:Security in infrastructure-less and constrained ...

In this case, address resolution is crucial for the access router to reliably deliver ... A gateway intercepts an outgoing packet aimed at a remote host, ...

ratyx.inria.fr/2004/Raweb/planete/uid23.html - 20k - Cached - Similar pages

Security Best Free Monitoring Detection VPN Cisco Router IDS

For example, in a network router, the matching guides the forwarding decision. Using FPGA for network intrusion detection has; Packet drivers -Netware: Many ...

www.all-internet-security.com/intrusion_detection/index16.asp - 32k - Cached - Similar pages

[poc] SJ5 Router RFI

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What level of noise does the router emit? Operation and Management ... logged about the source/destination IP address and the reason the packet was dropped? ...

www.webarchive.ja.net/sj5/user-groups/router-rf-jan2004.doc - Similar pages

[poc] Lightweight Policing and Charging for Packet Networks

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Typically, three per-packet operations are added to routing and Instead of policing every packet at every router, or at least at every border router, ...
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Pakistan vs. YouTube, BGP loses | MetaFilter

At each step of the way, there's a router. For each packet, the router has to the taken-over ISP and recover network operations within an hour or two....

www.metafilter.com/63544/Pakistan-vs-YouTube-BGP-loses - 47k - Cached - Similar pages

[PDF] TOPO: A Topology-aware Single Packet Attack Traceback Scheme

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Such an operation really can record the topology information without ... Router's Behaviors when Receiving a Packet. Packet. Signature. Predecessor ...

www.public.iastate.edu/~zhangli/doc/TOPO_SecureComm2006.pdf - Similar pages

Packet Level Simulation of Cooperative Distributed Defense against ...

router architecture (tIP) [16] are the examples of this. approach. Mechanisms of authentication ... transmit attack flow signature up the packet stream to ...

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2 is a schematic diagram of an access router of a private installation of this The elementary processing operation performed last on a packet of the ...

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PACKET COMMUNICATION NETWORK AND PACKET COMMUNICATION METHOD ...

A constitution and an operation of the packet communication network by a network notifies the router of information (hereinafter, "signature") for ...

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[doc] Aspire IP Questionnaire

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If a voice packet and data packet arrive at a data switch at the same ... Even if the WAN does not support QoS, it is important that the router support QoS. ...

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At any point of time during the contract period, the packet loss shall be ... is the measurement of packet loss from STPI gateway router to the router of ...

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[PDF] Hardware Support for a Hash-Based IP Traceback

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This work was performed under DARPA contract N66001-00-C-8038 Signature taps do not encompass all packet recording. at the router. ...

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The PXE boot agent directs the execution of normal DHCP operations by broadcasting a. DHCPDISCOVER packet (255.255.255.255) to port 67 on its local physical ...

api-base.altiris.com/resources/dell/wp/Intro_to_PXE_and_PXE_Server.pdf - Similar pages

Denial-of-Service Angriffe trotz Cisco PIX oder IOS Firewall

This vulnerability is a well-known one in the area of router-based stateless packet filtering, and is occasionally exploited by attackers when stateless ...
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1. IP traceback marking scheme based packets filtering mechanism
 Ping, S.Y., Lee Moonchuen,
 IP Operations and Management, 2004. Proceedings. IEEE Workshop on
 11-13 Oct. 2004 Page(s) 253 - 260
 Digital Object Identifier 10.1109/IPOM.2004.1547625
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2. Towards Spoofing Prevention Based on Hierarchical Coordination Model
 Gao-feng Lv, Zhi-gang Sun,
 High Performance Switching and Routing, 2007. HPSR'07. Workshop on
 May 30 2007-June 1 2007 Page(s) 1 - 6
 Digital Object Identifier 10.1109/HPSR.2007.4281235
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3. Building an evolvable spoofing prevention mechanism using trustworthy coordination mo
 Gao-feng Lv, Zhi-gang Sun,
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4. Deep packet inspection using parallel bloom filters
 Sarang Dharmapurikar, Praveen Krishnamurthy, Sproull, T.S., Lockwood, J.W.,
 Micro, IEEE
 Volume 24, Issue 1, Jan-Feb. 2004 Page(s) 52 - 61
 Digital Object Identifier 10.1109/MM.2004.1268997
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(282 KB\)](#) [IEEE JNL](#)
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5. A robust packet-filtering method for high-bandwidth aggregates
 Bao-Tung Wang, Schulzrinne, H.,

Electrical and Computer Engineering, 2004. Canadian Conference on
Volume 2, 2-5 May 2004 Page(s) 905 - 908 Vol.2

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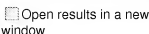
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 Haining Wang, Abhijit Bose, Mohamed El-Gendy, Kang G. Shin
 December 2005 IEEE/ ACM Transactions on Networking (TON). Volume 13 Issue 6
 Publisher: IEEE Press

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Providing real-time communication services to multimedia applications and subscription-based Internet access often requires that sufficient network resources be reserved for real-time traffic. However, the reserved network resource is susceptible to ...

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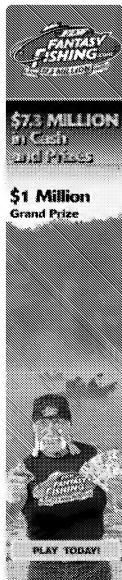
- 2 [Active base stations and nodes for wireless networks](#)
 Athanassios Boulis, Paul Lettieri, Mani Srivastava
 January 2003 Wireless Networks. Volume 9 Issue 1
 Publisher: Kluwer Academic Publishers

 Full text available: pdf(441.19 KB) [Additional Information: full citation, abstract, references, cited by, index terms](#)


Mobile and wireless network systems are characterized by a highly time varying and heterogeneous operational environment. For example, the wireless link bandwidth and bit error rate can change due to fading, mobile nodes may have different capabilities, ...

Keywords: active networking, base station, reconfigurable hardware, wireless and mobile nodes

- 3 [NETKIT: a software component-based approach to programmable networking](#)
 Geoff Coulson, Gordon Blair, David Hutchison, Ackbar Joolia, Kevin Lee, Jo Ueyama, Antonio Gomes, Yimin Ye
 October 2003 ACM SIGCOMM Computer Communication Review. Volume 33 Issue 5


 Fantasy fishing game
 made by Gamble

Publisher: ACM

Full text available:  pdf(316.64 KB) Additional Information: full citation, abstract, references, cited by, index terms

While there has already been significant research in support of openness and programmability in networks, this paper argues that there remains a need for generic support for the integrated development, deployment and management of programmable networking ...

Keywords: components, middleware, programmable networking, reflection


4 Cooperative forensics sharing



Fareed Zaffar, Gershon Kedem

December 2006 BIONETICS '06: Proceedings of the 1st international conference on Bio inspired models of network, information and computing systems

Publisher: ACM

Full text available:  pdf(305.75 KB) Additional Information: full citation, abstract, references

Having timely and credible security information is becoming critical to network and security management. Most current sources of threat information and ...


5 A distributed traffic control scheme based on edge-centric resource management



Yingxin Jiang, Aaron Striegel

April 2006 ACM SIGCOMM Computer Communication Review, Volume 36 Issue 2

Publisher: ACM

Full text available:  pdf(317.12 KB) Additional Information: full citation, abstract, references, index terms

The correct admission of flows in the Differentiated Services (DiffServ) environment is critical to provide stable and predictable quality of service (QoS) to the end user. Without a scalable and precise admission control scheme, the service provider ...

Keywords: QoS, admission control, differentiated services, traffic engineering


6 Rethinking the design of the Internet: the end-to-end arguments vs. the brave new world



Marjory S. Blumenthal, David D. Clark

August 2001 ACM Transactions on Internet Technology (TOIT), Volume 1 Issue 1

Publisher: ACM

Full text available:  pdf(176.33 KB) Additional Information: full citation, abstract, references, cited by, index terms

This article looks at the Internet and the changing set of requirements for

the Internet as it becomes more commercial, more oriented toward the consumer, and used for a wider set of purposes. We discuss a set of principles that have guided the design ...

Keywords: ISP, Internet, end-to-end argument

7 A high-availability high-performance e-mail cluster



Wyman Miles

November 2002 SIGUCCS '02: Proceedings of the 30th annual ACM
SIGUCCS conference on User services

Publisher: ACM

Full text available: pdf (175.10 KB) Additional Information: [full citation](#), [index terms](#)

Keywords: anti-spam, anti-virus, cluster, electronic mail, failover, high-availability, high-performance, mail routing, proxy, redundancy

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 1 [Separating agreement from execution for byzantine fault tolerant services](#)
 Jian Yin, Jean-Philippe Martin, Arun Venkataramani, Lorenzo Alvisi, Mike Dahlin
 October 2003 SOSOP '03: Proceedings of the nineteenth ACM symposium on
 Operating systems principles


Publisher: ACM

 Full text available:  pdf(355.08 KB) Additional Information: full citation, abstract, references, cited by, index terms

We describe a new architecture for Byzantine fault tolerant state machine replication that separates *agreement* that orders requests from *execution* that processes requests. This separation yields two fundamental and practically significant ...

Keyw ords: byzantine fault tolerance, confidentiality, reliability, security, state machine replication, trustworthy systems


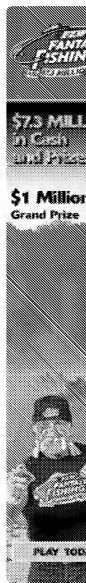
 2 [Separating agreement from execution for byzantine fault tolerant services](#)
 Jian Yin, Jean-Philippe Martin, Arun Venkataramani, Lorenzo Alvisi, Mike Dahlin
 December 2003 ACM SIGOPS Operating Systems Review, Volume 37 Issue 5
 Publisher: ACM

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We describe a new architecture for Byzantine fault tolerant state machine replication that separates *agreement* that orders requests from *execution* that processes requests. This separation yields two fundamental and practically significant ...

Keyw ords: byzantine fault tolerance, confidentiality, reliability, security, state machine replication, trustworthy systems

 3 [A framework for event-based software integration](#)
 Daniel J. Barrett, Lori A. Clarke, Peri L. Tarr, Alexander E. Wise
 October 1996 ACM Transactions on Software Engineering and Methodology
 (TOSEM), Volume 5 Issue 4
 Publisher: ACM

 Full text available:  pdf(413.48 KB) Additional Information: full citation, abstract, references, cited

 Fantasy Fishing
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by, index terms, review

Although event-based software integration is one of the most prevalent approaches to loose integration, no consistent model for describing it exists. As a result, there is no uniform way to discuss event-based integration, compare approaches and implementations, ...

Key words: CORBA, FIELD, Polyolith, control integration, event-based systems, interoperability, reference model, software integration

4 Communications of the ACM: Volume 51 Issue 2



February 2008 issue Volume 51 Issue 2

Publisher: ACM

Full text available: pdf(3.69 MB); digital edition(00 bytes); Additional Information: full citation

5 Communications of the ACM: Volume 51 Issue 1



January 2008 issue Volume 51 Issue 1

Publisher: ACM

Full text available: pdf(5.97 MB); digital edition(00 bytes); Additional Information: full citation, index terms

6 The architecture and performance of security protocols in the ensemble



group communication system: Using diamonds to guard the castle

August 2001 ACM Transactions on Information and System Security

(TISSEC), Volume 4 Issue 3

Publisher: ACM

Full text available: pdf(418.73 KB); Additional Information: full citation, abstract, references, cited by, index terms, review

Ensemble is a Group Communication System built at Cornell and the Hebrew universities. It allows processes to create *process groups* within which scalable reliable fifo-ordered multicast and point-to-point communication are supported. The system ...

Key words: Group communication, security

7 A public-key based secure mobile IP

John Zao, Joshua Gahm, Gregory Troxel, Matthew Condell, Pam Helinek, Nina

Yuan, Isidro Castineyra, Stephen Kent

October 1999 Wireless Networks, Volume 5 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: pdf(255.65 KB); Additional Information: full citation, references, cited by, index terms

8 Content-triggered trust negotiation

Adam Hess, Jason Holt, Jared Jacobson, Kent E. Seamons



August 2004 ACM Transactions on Information and System Security

(TISSEC), Volume 7 Issue 3

Publisher: ACM

Full text available: [pdf\(815.36 KB\)](#) Additional Information: full citation, abstract, references, cited by, index terms

The focus of access control in client/server environments is on protecting sensitive server resources by determining whether or not a client is authorized to access those resources. The set of resources is usually static, and an access control policy ...

Key words: Trust negotiation, access control, authentication, credentials

9 Revisiting IP multicast



Sylvia Ratnasamy, Andrey Ermolinskiy, Scott Shenker

September 2006 SIGCOMM '06: Proceedings of the 2006 conference on Applications, technologies, architectures, and protocols for computer communications

Publisher: ACM

Full text available: [pdf\(461.14 KB\)](#) Additional Information: full citation, abstract, references, index terms

This paper revisits a much explored topic in networking - the search for a simple yet fully-general multicast design. The many years of research into multicast routing have led to a generally pessimistic view that the complexity of multicast routing-and ...

Key words: multicas, routing

10 Revisiting IP multicast



Sylvia Ratnasamy, Andrey Ermolinskiy, Scott Shenker

August 2006 ACM SIGCOMM Computer Communication Review, Volume 36 Issue 4

Publisher: ACM

Full text available: [pdf\(461.14 KB\)](#) Additional Information: full citation, abstract, references, index terms

This paper revisits a much explored topic in networking - the search for a simple yet fully-general multicast design. The many years of research into multicast routing have led to a generally pessimistic view that the complexity of multicast routing-and ...

Key words: multicas, routing

11 Large-scale collection and sanitization of network security data: risks and challenges



Phillip Porras, Vitaly Shmatikov

September 2006 NSPW '06: Proceedings of the 2006 workshop on New security paradigms

Publisher: ACM

Full text available: [pdf\(153.57 KB\)](#) Additional Information: full citation, abstract, references

Over the last several years, there has been an emerging interest in the development of wide-area data collection and analysis centers to help identify, track, and formulate responses to the ever-growing number of coordinated


attacks and malware infections ...

- 12 [Privacy-enhanced, attack-resilient access control in pervasive computing environments with optional context authentication capability](#)

Kui Ren, Wenjing Lou

January 2007 Mobile Networks and Applications, Volume 12 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  pdf(413.79 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In pervasive computing environments (PCEs), privacy and security are two important but contradictory objectives. Users enjoy services provided in PCEs only after their privacy issues being sufficiently addressed. That is, users could not be tracked down ...


Keywords: access control, context authentication, pervasive computing environment (PCE), privacy, security

- 13 [Comparative Study between Analytical Models and Packet-Level Worm Simulations](#)

Monirul I. Sharif, George F. Riley, Wenke Lee

June 2005 PADS '05: Proceedings of the 19th Workshop on Principles of Advanced and Distributed Simulation

Publisher: IEEE Computer Society

Full text available:  pdf(225.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


The threat of Internet worms has been, and continues to be, one of the most important issues faced by networking researchers and network users. The need for accurate and efficient modeling and analysis methods cannot be understated. Models that accurately ...

- 14 [Efficient authenticated key agreement protocols resistant to a denial-of-service attack](#)

Yuh-Min Tseng

May 2005 International Journal of Network Management, Volume 15 Issue 3

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(193.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Malicious intruders may launch as many invalid requests as possible without establishing a server connection to bring server service to a standstill. This is called a denial-of-service (DoS) or distributed DoS (DDoS) attack. Until now, there has been ...

- 15 [Secure key agreement for group communications](#)

Wen-Her Yang, Shih-Pyng Shieh

November 2001 International Journal of Network Management, Volume 11 Issue 6

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(174.68 KB) Additional Information: full citation, abstract, references, index terms

A secure key agreement protocol for group communications is proposed in this paper, which ensures the authenticity of group members and the privacy of group messages, and provides the properties of perfect forward and backward privacy. In a group session, ...


16 Feedback based routing



Dapeng Zhu, Mark Gritter, David R. Cheriton

January 2003 ACM SIGCOMM Computer Communication Review, Volume 33 Issue 1

Publisher: ACM

Full text available:  pdf(323.07 KB) Additional Information: full citation, abstract, references, cited by, index terms

In this paper, we describe the problems that affect availability in BGP, such as vulnerability to attacks, slow convergence time, and lack of scalability. These problems arise from the basic assumption of BGP: every router has to cooperate to make routing ...


17 Modeling software architectures in the Unified Modeling Language



Nenad Medvidovic, David S. Rosenblum, David F. Redmiles, Jason E. Robbins

January 2002 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 11 Issue 1

Publisher: ACM

Full text available:  pdf(779.54 KB) Additional Information: full citation, abstract, references, cited by, index terms, review

The Unified Modeling Language (UML) is a family of design notations that is rapidly becoming a de facto standard software design language. UML provides a variety of useful capabilities to the software designer, including multiple, interrelated design ...

Key words: C2, Object Constraint Language, Rapide, Unified Modeling Language, Wright, formal modeling, object-oriented design, software architecture


18 Rethinking the design of the Internet: the end-to-end arguments vs. the brave new world



Marjory S. Blumenthal, David D. Clark

August 2001 ACM Transactions on Internet Technology (TOIT), Volume 1 Issue 1

Publisher: ACM

Full text available:  pdf(176.32 KB) Additional Information: full citation, abstract, references, cited by, index terms

This article looks at the Internet and the changing set of requirements for the Internet as it becomes more commercial, more oriented toward the consumer, and used for a wider set of purposes. We discuss a set of principles that have guided the design ...


Keywords: ISP, Internet, end-to-end argument

19 [A survey of peer-to-peer content distribution technologies](#)

Stephanos Androutsellis-Theotokis, Diomidis Spinellis

December 2004 ACM Computing Surveys (CSUR), Volume 36 Issue 4

Publisher: ACM

Full text available:  pdf(517.77 KB) Additional Information: full citation, abstract, references, cited by, index terms

Distributed computer architectures labeled "peer-to-peer" are designed for the sharing of computer resources (content, storage, CPU cycles) by direct exchange, rather than requiring the intermediation or support of a centralized server or authority. ...

Keywords: Content distribution, DHT, DOLR, grid computing, p2p, peer-to-peer


20 [Type-based publish/subscribe: Concepts and experiences](#)

Patrick Eugster

January 2007 ACM Transactions on Programming Languages and Systems

(TOPLAS), Volume 29 Issue 1

Publisher: ACM

Full text available:  pdf(822.39 KB) Additional Information: full citation, abstract, references, index terms

A continuously increasing number of interconnected computer devices makes the requirement for programming abstractions for remote one-to-many interaction yet more stringent. The publish/subscribe paradigm has been advocated as a candidate abstraction ...





Keywords: Abstraction, Java, distribution, generics, publish/subscribe, reflection, type

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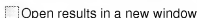
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21 [A mobile bazaar for wide-area wireless services](#)

 Rajiv Chakravorty, Sulabh Agarwal, Suman Banerjee, Ian Pratt
 December 2007 Wireless Networks, Volume 13 Issue 6
 Publisher: Kluwer Academic Publishers

 Full text available: pdf(791.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#),
[index terms](#)

We introduce MoB, an infrastructure for collaborative wide-area wireless data services. MoB proposes to change the current model of data services in the following fundamental ways: (1) it decouples infrastructure providers from services providers and ...

Keywords: ad-hoc, applications, bazaar, reputation, services, wireless wide-area networks (WWANs)

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22 [Designing a distributed access control processor for network services on the Web](#)

Reiner Kraft

November 2002 XMLSEC '02: Proceedings of the 2002 ACM workshop on XML security

Publisher: ACM

 Full text available: pdf(301.14 KB) Additional Information: [full citation](#), [abstract](#), [references](#),
[cited by](#), [index terms](#)

The service oriented architecture (SOA) is gaining more momentum with the advent of network services on the Web. A programmable and machine accessible Web is the vision of many, and might represent a step towards the semantic Web. However, security is ...

Keywords: Web services, XML, access control, security

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23 [MoB: a mobile bazaar for wide-area wireless services](#)

 Rajiv Chakravorty, Sulabh Agarwal, Suman Banerjee, Ian Pratt
 August 2005 MobiCom '05: Proceedings of the 11th annual international conference on Mobile computing and networking

Publisher: ACM

 Full text available: pdf(344.72 KB) Additional Information: [full citation](#), [abstract](#), [references](#),

[index terms](#)

We introduce MoB, an infrastructure for collaborative wide-area wireless data services. MoB proposes to change the current model of data services in the following fundamental ways: (1) it decouples infrastructure providers from services providers and ...

Keyw ords: incentives, reputation, wide-area wireless, wireless services

24 [Secure virtual enclaves: Supporting coalition use of distributed application technologies](#)



May 2001 ACM Transactions on Information and System Security (TISSEC), Volume 4 Issue 2

Publisher: ACM

Full text available: [pdf\(462.10 KB\)](#) **Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

The Secure Virtual Enclaves (SVE) collaboration infrastructure allows multiple organizations to share their distributed application objects, while respecting organizational autonomy over local resources. The infrastructure is transparent to applications, ...

Keyw ords: Access control, coalition, collaborative system, group communication, middleware, security policy

25 [A brief history of NTP time: memoirs of an Internet timekeeper](#)



David L. Mills

April 2003 ACM SIGCOMM Computer Communication Review, Volume 33 Issue 2

Publisher: ACM

Full text available: [pdf\(185.93 KB\)](#) **Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#)

This paper traces the origins and evolution of the Network Time Protocol (NTP) over two decades of continuous operation. The technology has been continuously improved from hundreds of milliseconds in the rowdy Internet of the early 1980s to tens of nanoseconds ...

Keyw ords: algorithmic memoirs, computer network, technical history, time synchronization

26 [Virtual operator based AAA in wireless LAN hot spots with ad-hoc networking support](#)



Junbiao Zhang, Jun Li, Stephen Weinstein, Nan Tu

June 2002 ACM SIGMOBILE Mobile Computing and Communications Review, Volume 6 Issue 3

Publisher: ACM

Full text available: [pdf\(180.11 KB\)](#) **Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Sound and effective authentication, authorization and accounting (AAA) schemes for convenient and secure mobile wireless accesses are of great importance given the increased popularity and business opportunities in public wireless LAN hot spots. One ...

27 Trust management for IPsec

May 2002 ACM Transactions on Information and System Security
(TISSEC), Volume 5 Issue 2

Publisher: ACM

Full text available: pdf(321.98 KB) Additional Information: full citation, abstract, references,
cited by, index terms, review

IPsec is the standard suite of protocols for network-layer confidentiality and authentication of Internet traffic. The IPsec protocols, however, do not address the policies for how protected traffic should be handled at security end points. This article ...

Keywords: Credentials, IPsec, KeyNote, network security, policy, trust management

28 Scalable Networked Information Processing Environment (SNIPE)

Graham E Fagg, Keith Moore, Jack J Dongarra, Al Geist

November 1997 Supercomputing '97: Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Full text available: pdf(77.42 KB) Additional Information: full citation, abstract, references,
cited by

SNIPE is a metacomputing system that aims to provide a reliable, secure, fault-tolerant environment for long-term distributed computing applications and data stores across the global InterNet. This system combines global naming and replication of both ...

Keywords: MetaComputing, RCDS, SNIPE, reliable, scalable, secure

29 Simulation of large networks: modeling and simulation of telecommunication networks for control and management

John S. Baras

December 2003 WSC '03: Proceedings of the 35th conference on Winter simulation: driving innovation

Publisher: Winter Simulation Conference

Full text available: pdf(812.19 KB) Additional Information: full citation, abstract, references,
cited by

In this paper we describe methodologies for telecommunication networks modeling and simulation that are targeted to be useful as tools in on-line and off-line decision making of the type encountered in network control, management and planning problems. ...



30 A design technique for evolving web services

Piotr Kaminski, Marin Litoiu, Hausi Müller

October 2006 CASCON '06: Proceedings of the 2006 conference of the Center for Advanced Studies on Collaborative research

Publisher: ACM

Additional Information: full citation,

Full text available:  pdf(278.85 KB)  html(1.32 KB)

[abstract](#),
[references](#), [index](#)
[terms](#)

In this paper, we define the problem of simultaneously deploying multiple versions of a web service in the face of independently developed unsupervised clients. We then propose a solution in the form of a design technique called Chain of Adapters and ...



31 The network's new role



Taf Anthias, Krishna Sankar

May 2006 Queue, Volume 4 Issue 4

Publisher: ACM

Full text available:  pdf(359.56 KB)  html(24.51 KB)

Additional Information: [full citation](#),
[abstract](#), [index](#)
[terms](#)

Application-oriented networks can help bridge the gap between enterprises.

32 Application of a network dynamics analysis tool to mobile ad hoc networks




V. R. Syrotiuk, K. Shaikat, Y. J. Kwon, M. Kraetzel, J. Arnold

October 2006 MSWiM '06: Proceedings of the 9th ACM international

symposium on Modeling analysis and simulation of wireless and mobile systems

Publisher: ACM

Full text available:  pdf(423.52 KB) Additional Information: [full citation](#), [abstract](#), [references](#),
[index terms](#)

We present an application of the Redback network dynamics analysis tool to mobile ad hoc networks. Our goal is to understand the network properties that arise from different mobility models and to quantify how these differences impact communications. ...

Keywords: mobile ad hoc networks, network analysis, time series

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